

2020 CERTIFICATION

Consumer Confidence Report (CCR)

Public Water	System Name	
01700	10	
	Water Systems included in this CCR	
The Federal Safe Drinking Water Act (SDWA) requires each Commu Confidence Report (CCR) to its customers each year. Depending on the customers, published in a newspaper of local circulation, or provenocedures when distributing the CCR.	e population served by the PWS, this CO	CR must be mailed or delivered to
CCR DISTRIBUTION (C	Check all boxes that apply.)	
INDIRECT DELIVERY METHODS (Attach copy of publication, w	ater bill or other)	DATE ISSUED
Advertisement in local paper (Attach copy of advertisement)		6-17-21
□ On water bills (Attach copy of bill)	1111	244
□ Email message (Email the message to the address below)		
□ Other		
DIRECT DELIVERY METHOD (Attach copy of publication, water	· bill or other)	DATE ISSUED
nd Distributed via U. S. Postal Mail		
☐ Distributed via E-Mail as a URL (Provide Direct URL):		
Distributed via E-Mail as an attachment		
$\ensuremath{\square}$ Distributed via E-Mail as text within the body of email message		
🟿 Published in local newspaper (attach copy of published CCR of	or proof of publication)	
Posted in public places (attach list of locations)		- All-
Posted online at the following address (Provide Direct URL):		
I hereby certify that the CCR has been distributed to the custo above and that I used distribution methods allowed by the SDV and correct and is consistent with the water quality monitoring Water Supply.	IA. I further certify that the informat	ion included in this CCR is true
SUBMISSION OPTIONS	(Select one method ONLY)	44 44 44 44 44 44 44 44 44 44 44 44 44
You must email, fax (not preferred), or mail a	a copy of the CCR and Certification	n to the MSDH.
Mail: (U.S. Postal Service)	Email: water.reports@msdh.ms	<u>vop.</u>
MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215	Fax: (601) 576-7800	(NOT PREFERRED)

Consumer Confidence Report Certification Form

(updated with electronic delivery methods)

(suggested format) CWS Name: PWSID No: The community water system named above hereby confirms that its consumer confidence report has been distributed to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the state/primacy agency. Certified by: Phone #: Date: Please check all items that apply. √ CCR was distributed by mail. CCR was distributed by other direct delivery method. Specify direct delivery methods: Mail - notification that CCR is available on website via a direct URL Email – direct URL to CCR Email - CCR sent as an attachment to the email Email - CCR sent embedded in the email Other: If the CCR was provided by a direct URL, please provide the direct URL Internet address: If the CCR was provided electronically, please describe how a customer requests paper CCR delivery:

_	_ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods as recommended by the state/primacy agency:
	posting the CCR on the Internet at www
	mailing the CCR to postal patrons within the service area (attach a list of zip codes used)
	advertising availability of the CCR in news media (attach copy of announcement)
	publication of CCR in local newspaper (attach copy)
	posting the CCR in public places (attach a list of locations)
	delivery of multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers
	delivery to community organizations (attach a list)
	electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
	electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
	_ (for systems serving at least 100,000 persons) Posted CCR on a publicly-accessible Internet site at the address: www
	Delivered CCR to other agencies as required by the state/primacy agency (attach a list)

ANNUAL WATER QUALITY REPORT FOR 2020 HORN LAKE WATER ASSOCIATION CCR MS0170010 June 7, 2021

Horn Lake Water Association is proud to report that our system has not violated a maximum contaminant level or any other water quality standard. Last year, we conducted tests for many contaminants, detecting 15 of these contaminants with none at a level higher than the EPA allows for. This report is a snapshot of our last year's water quality.

Our water source consists of two water plants with five wells pumping from the Sparta aquifer from an average depth of approximately 450 feet. Three of our wells were ranked **LOWER**; two were ranked **MODERATE** in terms of susceptibility to contamination. If you have any questions about this report or concerning your water utility, please contact Tammy Long at 662-393-0140. If you want to learn more, please attend our monthly meetings on the third Thursday of each month and/or our annual meeting, which takes place on the third Thursday in July. All meetings begin at 7:00 pm and take place at our office located at 1543 Dancy Blvd.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Additional Information for Lead

If present, elevated levels of Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Horn Lake Water Association is responsible is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water; you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Laboratory offers lead testing. Please contact 601-576-7582 if you wish to have your water tested.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all to the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of the public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA and the Mississippi State Department of Health require us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of the data, though representative, may be more than one year old. In this table you will find terms and abbreviations you might not be familiar with. To help you better understand these terms, we have provided the following definitions and terms:

Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfection Level (MRDL)—The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfection Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminant.

Ppm - Parts per million, or milligrams per liter (mg/L)

Ppb - Parts per billion, or micrograms per liter.

N/A - Not applicable

pCi/L - Picocuries per liter (a measure of radioactivity).

ug/L - A unit of measurement. (1000 ug/L is equal to 1 mg/L or 1 ppm)

MFL - Million fibers per liter, used to measure asbestos concentration.

N/D - non detect

ANNUAL WATER QUALITY REPORT FOR 2020 HORN LAKE WATER ASSOCIATION CCR MS0170010 June 7, 2021

Contaminants (Units)	MCLG or MRDLG	MCL TT, or MRDL	Your Water	Low	High	Sample Date	Violation Yes/No	Typical Source
Disinfectants & Disinfe								
(There is convincing evide	ence that a	ddition of						
Chlorine (as Cl2) (ppm)	4	4	1.0	0.90	1.2	2020	No	Water additive use to control microbes
Monitoring and reporting compliance data violation								Violation was from a missed data entry on sample form
TTHMs (Total Trihalomethanes) (ppb)		80	2.47	2.28	2.47	2020	No	By-product of drinking water disinfection
Inorganic Contaminant	S							
Asbestos (MFL)	7	7	.17	N/A	N/A	2019	No	Decay of asbestos cement mains; erosion of natural deposits.
Barium (ppm)	2	2	0.0227	0.0226	0.0227	2020	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	100	100	8.6	1.0	8.6	2020	No	Erosion of natural deposits; discharge from steel and pulp mills.
Fluoride (ppm)	4	4	1.15	.166	1.15	2020	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge fron fertilizer and aluminum factories
Nitrate (ppm) (measured as Nitrogen)	10	10	0.61	0.27	0.61	2020	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppb)(optional)	N/A	N/A	18000	15000	18000	2019	No	Road salt; water treatment chemicals; water softeners; sewage effluents.
Radioactive Contamina	nts							
Alpha Emitters (pCi/L)	0	15	2.2	N/A	N/A	2020	No	Erosion of natural deposits.
Radium (pCi/L) (Combined 226/228)	0	5	0.85	N/A	N/A	2020	No	Erosion of natural deposits.
Inorganic Contaminant	\$							
	MCLG	AL	Your Water	#San Excee	iples ding AL	Sample Date	Exceeds AL	
Lead – action level at consumer taps (ppb)	0	15	0.000		0	2018	No	Corrosion of household plumbing systems; erosion of natural deposits.
Copper – action level at consumer taps (ppm)	1.3	1.3	0.0		0	2018	No	Corrosion of household plumbing systems; erosion of natural deposits.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

Unregulated Contaminants	MCLG or MRDLG	or MRDL		Low	High	Sample Date	Violation Yes/No	Typical Source
butanol (ug/L)	N/A	N/A	2	N/A	N/A	2020	No	
methoxyethanol (ug/L)	N/A	N/A	.4	N/A	N/A	2020	No	
propen-1-01 (ug/L)	N/A	N/A	.5	N/A	N/A	2020	No	

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", MS0170010 is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 10. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 84%.

Additional Information for Nitrates

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than 6 months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

ANNUAL WATER QUALITY REPORT FOR 2020 HORN LAKE WATER ASSOCIATION CCR . MS01.70010 June 7, 2021.

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Some geople may but more compromised persons such as persons with cancel undergoing chemotherapy, persons who have undergone organ transplants, people with His/AIOS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people, should seek advice about drinking water from their health care provides persons build seek advice about drinking water from their health care provides persons of the control (GCC) guidelines some appropriate means top as some right of the form their health care provides persons being and entered the provides persons with the control (GCC) guidelines some appropriate means top as some persons the some persons which have a provided the control (GCC) guidelines some persons with the control (GCC) and the contr

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www.spa.qv/salewater/lead. The Mississippl State Department of Health Laboratory (off sales/septembries to the Mississippl State Department of Health Laboratory (off sales/septembries to the Mississippl State Department of Health Laboratory (off sales/septembries to the Mississippl State Department of Health Laboratory (off sales/septembries to the Mississippl State Department of Health Laboratory (off sales/septembries to the Mississippl State Department of Contaminants In water provided by public water systems. The table below lists all to the dynking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested only those substances listed below were found injuvent water Alls out as set to contaminate the contamination occurring contaminants. At low levels of the State Department of the Mississippl State occurring contaminants. At low levels of the State Department of the Mississippl State occurring contaminants. At low levels understanding the state of dinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from texting done in the calendar year of the report. The EPA and the Mississippl State Department of hissalin reguliedus to monitor for certain contaminants less than once per year because the concentrations of these contaminants done that year of the many of the state of the monitor of the state of the Mississippl State Department of the state of the Mississippl State Department of the state of the Mississippl State Department of the state of the state of the state of the Mississippl State Department of the state of the state of the state of the Mississippl State Department of the state of th

reflect the benefits of the use of distinctions to control microb

Ppm—Parts per million, or milliorans per liter (mg/L)

Ppb—Parts per billion, or milliorans per liter.

N/A. Not applicable

Ppc/L Piccouries per liter (armea ulreof radioactivity): sexug/L

Admitrof measurements (0.000/ug/s) sequal to most to mg/L

MEL—Millior hers per liter, used to measure abost contents

N/D—non detect.

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elbrate (ppm) measured as Kitmyon)	10	ra	0.61	0.27	23.0	2020	10	Rural From fortiber use; leading from septic tanks, sewage; proson of satural deposits
Socilum (pub)(option#)	N/A	MA	18000	12900	18000	2019	10	Scool sell; weter trestment character; with softerers; sewage officents.
Endoactive Contamina	nett		C.S.			-		
Alphe Emitters (90/L)		15	2.7	N/A	B/A	2020	No.	Erosan of natural deposits.
Radium (9CI/L) (Continue 226/228)	0	5	0,65	X/A	MA	2020	No.	fresion of ordered depunds.
Inorganic Contaminen	rte			-	1111	20		
	MCIG		Your		mpias	Sample	Ditter	
Lead - action level at	0	15	0.000		0	2018	Ma	Corrector of Counciloid plumbles systems; energy of natural deposits.
Copper - according	13	13	0.0	1	0	2019	·No	Control of Indianasi plumbing systems;

write are those for which CFA has not established driving weer standards. The purpose of wares

DeSoto Times-Tribune

PROOF OF PUBLICATION

THE STATE OF MISSISSIPPI

COUNTY OF DESOTO

JULIA HUNT personally appeared before me the undersigned in and for said County and State and states on oath that she is the CLERK of the DeSoto Times Tribune, a newspaper published in the town of Hernando, State and County aforesaid, and having a general circulation in said county, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper consecutive times, as follows, to-wit:										
Volume No. <u>124</u> on the <u>17th</u> day of <u>June</u> 2021										
Volume Noon theday of2021										
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Volume Noon theday of2021										
Volume Noon theday of2021										
Sworn to and subscribed before me, thisday of2021 By Kunhella Bevineau Joac										
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TOTAL PUBLISHER'S FEE: \$ 645.97										
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